

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A [polarization] Polarization means used for a three-dimensional image display apparatus, said three-dimensional image display apparatus comprising:

an image display section for displaying image information corresponding to parallax in a first region and a second region; and

a first phase retardation plate which is provided facing at least said first region ~~and said second region~~ of said image display section and which rotates a polarization direction of a polarized light of said image information from said first region in a direction different from a polarization direction of a polarized light of said image information from said second region; ~~and~~

said polarization means comprising:

a first area which allows said polarized light of said image information from said first region, the polarization direction of which is rotated to enter;

a second area which allows said polarized light of said image information from said second region to enter; and

a second phase retardation plate for rotating the polarized light of said image information from said second region in a direction opposite to that of said first phase retardation phase, said second phase retardation plate being provided in said second area on the image display section side

~~—— a second phase retardation plate having a first area and a second area which allow respective polarized lights separated by said first phase retardation plate to enter, said second phase retardation plate for rotating polarized lights in a direction opposite to that of said first phase retardation plate being provided in said first area or said second area on the image display section side.~~

2. (Currently amended) The polarization means according to claim 1, wherein said first phase retardation plate and said second phase retardation plate are respectively made of half wave plates[,] ~~and said respective polarized lights separated by said first phase retardation plate are entered through or not through said second phase retardation plate into said first area and said second area respectively.~~

3. (Original) The polarization means according to claim 1, wherein at least a portion where said second phase retardation plate is located is coated with a transparent protection material.

4. (Currently amended) The polarization means according to claim 1, wherein ~~a position of said polarization means is changeable so that a surface on the side where said second phase retardation plate is provided faces either a three-dimensional image observation side or said image display section side~~ said second phase retardation plate is capable of rotating in a horizontal direction so as to be moved and placed in said first area.

5. (Original) The polarization means according to claim 1, wherein said polarization means is held by a position holding means for holding a distance and parallelism between said first phase retardation plate and said polarization means, and for aligning the center of said first phase retardation plate with said polarization means.

6. (Original) The polarization means according to claim 5, wherein said polarization means is attached so as to be detachable or undetachable from said position holding means, or wherein said position holding means is attached so as to be detachable or undetachable.

7. (Original) The polarization means according to claim 5, wherein said polarization means is held at one end of an arm part of said position holding mechanism fixed to a frame section of said image display section.

8. (Original) The polarization means according to claim 5, wherein position adjustment of said polarization means is carried out by a click type position adjustment means.

9. (Original) The polarization means according to claim 7, wherein the other end of said arm part is fixed to said frame section of said image display section through the click type position adjustment means.

10. (Original) The polarization means according to claim 6, wherein said polarization means is position-changeable in the forward/rearward direction and/or in the left/right direction.

11. (Original) The polarization means according to claim 10, wherein said polarization means is turnable with respect to said first phase retardation plate in the forward/rearward direction and/or in the left/right direction.

12. (Original) The polarization means according to claim 7, wherein said arm part is stretchable in the forward/rearward direction.

13. (Original) The polarization means according to claim 1, wherein said image display section is arranged to be adjustable in angle.

14. (Original) The polarization means according to claim 1, wherein said polarization means is held and fixed in front of a viewer, and said first area and said second area are respectively located at the left eye and the right eye of said viewer.

15. (Original) The polarization means according to claim 14, wherein said polarization means is provided as a pair of polarized glasses.

16. (Original) The polarization means according to claim 14, wherein said polarization means is reversed back to front with respect to said viewer by altering position of a holding and fixing section with respect to said viewer.

17. (Currently Amended) A position holding mechanism for a polarization means used for a three-dimensional image display apparatus,
said three-dimensional image display apparatus comprising:

~~the polarization means used for a three-dimensional image display apparatus including:~~

an image display section for displaying image information corresponding to parallax in a first region and a second region; and

a first phase retardation plate which is provided facing at least said first region ~~and said second region~~ of said image display section and which rotates a polarization direction of a polarized light of said image information from said first region in a direction different from a polarization direction of a polarized light of said image information from said second region; ~~and~~

said polarization means comprising:

a first area which allows said polarized light of said information from said first region, the polarization direction of which is rotated, to enter;

a second area which allows said polarized light of said image information from said second region to enter; and

a second phase retardation plate for rotating the polarized light of said image information from said a second region in a direction opposite of that of said first phase retardation plate, said second phase retardation plate being provided in said second area on the image display section side,

said position holding mechanism comprising;

~~a second phase retardation plate having a first area and a second area which allow respective polarized lights separated by said first phase retardation plate to enter, said second phase retardation plate for rotating polarized lights in a direction opposite to that of said first phase retardation plate being provided in said first area or said second area on the image display section side; and~~

~~the position holding means for holding said polarization means at one end, holding a distance and parallelism between said polarization means and said first phase retardation plate, and aligning them.~~

18. (Original) The position holding mechanism for the polarization means according to claim 17, wherein said first phase retardation plate and said second phase retardation plate are respectively made of the half wave plates, and said respective polarized lights separated by said first phase retardation plate are entered through or not through said second phase retardation plate into said first area and said second area respectively.

19. (Original) The position holding mechanism for the polarization means according to claim 17, wherein at least a portion where said second phase retardation plate is located in said polarization means is coated with a transparent protection material.

20. (Currently amended) The position holding mechanism for the polarization means according to claim 17, wherein ~~a position of said polarization means is changeable so that a surface on the side where~~ said second phase retardation plate is ~~provided faces either a three-dimensional image observation side or said image display section side~~ capable of rotating in horizontal direction so as to be moved and placed in said first area.

21. (Original) The position holding mechanism for the polarization means according to claim 17, wherein said polarization means is attached so as to be detachable or undetachable from said position holding means, or wherein said position holding means is attached so as to be detachable or undetachable.

22. (Original) The position holding mechanism having a polarizing plate according to claim 17, wherein said polarization means is held at one end of an arm part of said position holding mechanism fixed to a frame section of said image display section.

23. (Original) The position holding mechanism for the polarization means according to claim 17, wherein position adjustment of said polarization means is carried out by a click type position adjustment means.

24. (Original) The position holding mechanism for the polarization means according to claim 22, wherein the other end of said arm part is fixed to said frame section of said image display section through the click type position adjustment means.

25. (Original) The position holding mechanism for the polarization means according to claim 17, wherein said polarization means is position-changeable in the forward/rearward direction and/or in the left/right direction.

26. (Currently Amended) The position holding mechanism for the polarization means according to claim 25, wherein said polarization means is turnable with respect to said first phase retardation plate in the forward/rearward direction and/or in the left/right direction.

27. (Original) The position holding mechanism for the polarization means according to claim 22, wherein said arm part is stretchable in the forward/rearward direction.

28. (Original) The position holding mechanism for the polarization means according to claim 17, wherein said polarization means is held and fixed in front of a viewer and said first area and said second area are respectively located at the left eye and the right eye of said viewer.

29. (Original) The position holding mechanism for the polarization means according to claim 28, wherein said polarization means is provided as a polarizing plate.

30. (Original) The position holding mechanism for the polarization means according to claim 28, wherein said polarization means are reversed back to front with respect to said viewer by altering position of a holding and fixing section with respect to said viewer.